



USER INSTRUCTIONS

SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT

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Foreword

These User Instructions have been prepared to describe the correct use and Installation of the components needed to install a Temporary Work Restraint System into a concrete structure that has Scissorsafe Void Formers cast into the ceilings or a Post-drilled equivalent to EN 795. Please refer to page 7 for **Post-Drilled Anchors** instructions.

A **Work Restraint System** will consist of three components.

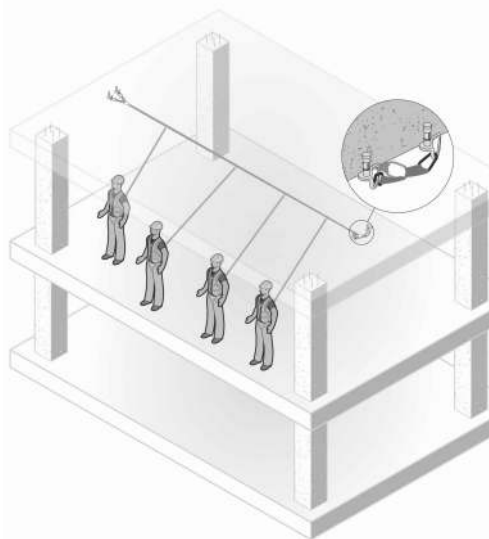
Anchorage Points connect to both ends of a Horizontal Lifeline or directly to the User's connecting device **Safety Harnesses** with front & rear anchor points **Lanyard or Adjustable Work Positioning Lanyard** connecting the Harness to the Anchor Point.

These components are designed to allow those using them the access and mobility to reach a buildings open perimeters but when used properly, prevents them from getting into a position where they can fall.

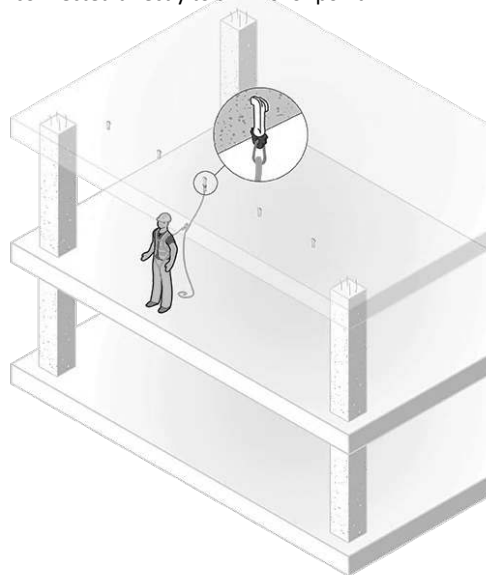
Scissorsafe Ltd provide two specific lifeline versions for Façade installation, specifically designated to support four simultaneous users in Pure Work Restraint. It is strongly advised that all users are trained to a high level of Work Restraint competence before being allowed to use this equipment.

We are available to advise and provide Work Restraint training.

Four users working simultaneously on a **Temporary Work Restraint System**



Single user working in Restraint whilst connected directly to an Anchor point.



SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT : DESIGN



Anchor devices to EN795 Class B

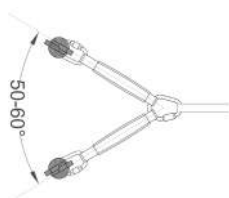
Reusable Anchor Devices to this standard carry "One User Only" markings which is relevant to when the Anchor is to be used in a **Fall Arrest System**.

Anchor Devices are only used for Multi-Users when they form part of a designed **Temporary Work Restraint System**.

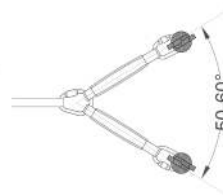
The basic design criteria for a Multi-User **Temporary Work Restraint System** are as follows.



Anchors are positioned at the end termination points of the Temporary Lifeline. They are paired to provide a certificated load capacity of 24kN.



Temporary Horizontal Lifeline
Max length 20 metres



SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT

Regulation

The Work at Height Regulations places duties upon employers and other duty holders concerned with managing or carrying out work at height.

Employers should establish a regime for the inspection of equipment. It is essential that a competent person is given the authority to make objective decisions and take appropriate action, even if this means rejecting a component- at the cost of delaying a work task.

The inspection regime should include

- The equipment to be inspected
- User training
- Safe keeping, updating and access of User record cards
- Frequency and type of inspection relevant to each component
- Action to be taken if a defective component is found.

There are also requirements in BS EN 865:2002 and BS 8437 which contain both general and specific information on periodic inspection of fall protection equipment.

Scissorsafe system and kit components carry obsolescence dates and any component that has reached this date and which has not been rejected for other reasons, should be withdrawn from service and not used again.

Good record keeping is essential to establish the age and conditions of use for products.

Scissorsafe components carry unique serial numbers that allow the history of the component to be recorded.

If the serial number is lost or becomes illegible, or if Record cards are lost, please send a request to Scissorsafe Ltd. and a replacement will be made available to you.

These can be requested by email at info@scissorsafe.co.uk.

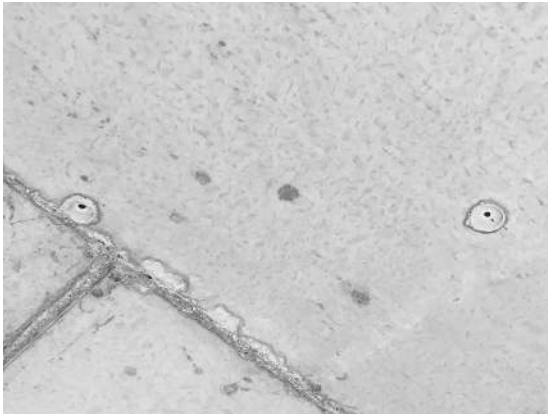
COMPONENTS

 25MM OVAL KARABINER 25KN RATED	 POST DRILLED ANCHOR	 SCISSORSAFE ANCHORAGE TOOL	 TWO PART VOID FORMER
 TWIN ANCHORS TO LIFELINE SLING	 TEMPORARY HORIZONTAL LIFELINE 20 mtr 4 USERS / WORK RESTRAINT	 ADJUSTABLE WORK POSITIONING LANYARD	 SAFETY HARNESS FRONT & REAR ATTACHMENT POINTS

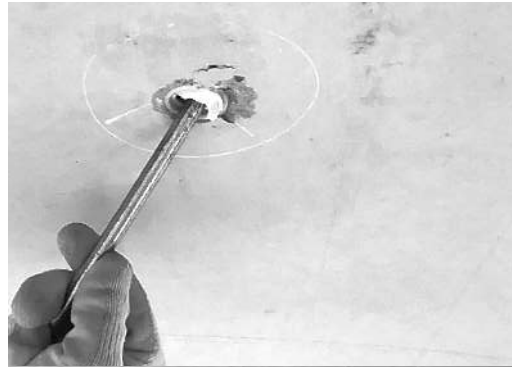


These components are valid for ten years from the date of manufacture but have a service life of five years from date of first use.

SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT



Identify cast-in anchor points
These will have been cast into the concrete ceilings as single user points or in pairs for multi-user temporary horizontal lifelines



Remove the nailing disk from the ceiling to expose the anchor point



Insert Scissorsafe anchor tool until fully engaged into the ceiling void



Lock the Scissorsafe anchor tool into the ceiling using one of the 25mm oval karabiners ensuring that the karabiner gate is fully closed and tightened

POST-DRILLED ANCHORS

Post-Drilled Anchor components to EN795 Class B are available and are used for Temporary Work Restraint Systems in the same way as the Scissorsafe system



For One User connection a single anchor is used.



Anchors are paired 300-400mm apart and connected to the Horizontal Lifeline using a Twin Anchors to Lifeline Sling.

LOAD TESTING

Post-Drilled Anchors which rely on friction should be load-tested to 6kN before use.

SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT

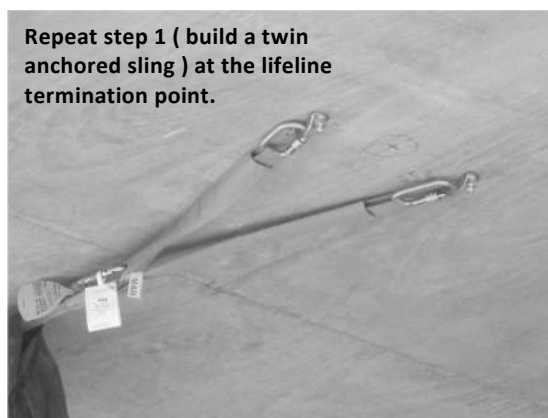
TEMPORARY HORIZONTAL LIFELINE

The Temporary Horizontal Lifeline is the primary anchorage connector in any Work Restraint System and forms the link via Anchorage Slings to the 15kN rated Anchorage Points supporting each end of it. Its principle application is when used to provide long, unobstructed anchorage running lines up to 20 metres in length for Work Restraint.

When being used in 'True Restraint' the Temporary Horizontal Safety Line can be used for up to 4 users, there must be absolutely no chance of being able to take a fall.



Attach the Anchor to Lifeline Sling to the Anchors with the 25mm Oval Connectors



Repeat step 1 (build a twin anchored sling) at the lifeline termination point.



This is how the Lifeline will look when anchored and tensioned at the storage bag end.



This is how the Lifeline will look when anchored and tensioned at the Webbing Termination end.

Please contact us if you are in any doubt about connecting or using a Temporary Lifeline.

SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT

TEMPORARY HORIZONTAL LIFELINE

Before opening the Lifeline bag
Ensure that any connecting components eg
Karabiners or Rope Connectors are free of
sharp edges or burrs that could cut into the
lifelines webbing.



Attach the short end connector to the large connector
on the Anchor to Lifeline Sling



Remove the lifeline from the bag and fully
unfurl then connect to the Lifeline
anchorage sling at the lifeline terminati
point ensuring that the lifeline is free of
twists.



When the lifeline is connected at both ends,
pull the slack webbing through the ratchet



Tension the lifeline by
pumping the ratchet
handle Ensure that at
least one and a half
complete revolutions of
the spreader bar have
been made

To prevent jamming,
ensure that the spreader
bar is not overloaded
with webbing. If
overloading occurs,
release the webbing
from the ratchet
mechanism and re-
tension.

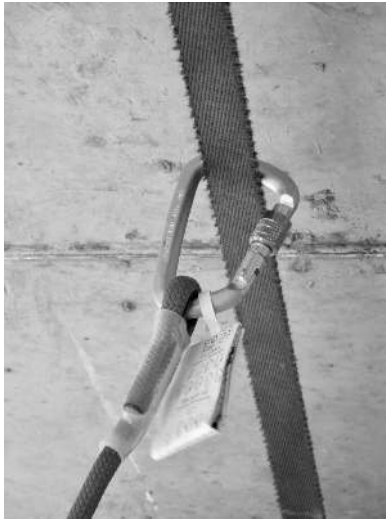


Do not use additional
bars or levers to induce a
higher tension into the
lifeline

When tensioning is
complete, position the
ratchet in the locked
position, then pack away
and surplus webbing into
the storage bag and
buckle up to remove the
trip hazard.

Lanyard Attachment

Restraint Lanyards or **Work Positioning Lanyards** are the connecting component that connect the anchorage point to the users harness



Terminal point A
50kN rated
karabiner for Lifeline
connections.



Terminal point B
25kN rated
karabiner for
Harness
connections.



Adjustment in use

The user retains tension between anchorage and harness by adjusting the length of rope between himself and the anchorage point, relative to the distance he is working from the leading edge, using the grab adjuster which allows one-way adjustment and keeps him in constant tension so that his forward movement is restricted from the fall risk.



A Temporary Work Restraint System offers long lengths of continuous Anchored travel eliminating the need for clipping.

SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT

SAFETY HARNESS

Pre-Use Inspection

It is recommended that the user carries out a suspension test in a safe place before using the harness for the first time, to ensure correct size, sufficient adjustment and acceptable comfort.



STEP 1
Take the harness by its shoulder straps, ensure there are no twists in the straps and place over shoulders and arms.



STEP 2
Pass leg strap under legs without twisting and fasten buckles

Ref A – Connector type fitted to Endurance Harness in Standard and Large sizes.

Ref B – Connector type fitted to Endurance Premium Harness

Repeat with other leg strap.
Ensure that the loose tails are face outermost otherwise the buckle will not lock.

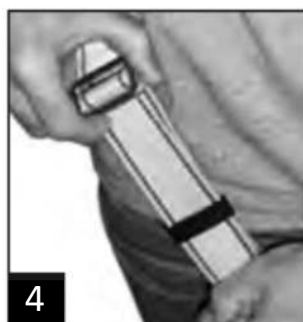


STEP 3
Fasten the chest cross strap connector in the same way as described for the leg connectors, pull on the webbing tail to adjust.

Ensure that the chest fitting is as tight as possible to avoid excessive upward movement from the front Dee connector in the event of a fall.

Adjust shoulder straps as necessary.

Ref C – Front Connection Point.



STEP 4
Tighten both leg straps by pulling on the loose tails. Ensure fitting is tight but not uncomfortable. Retain loose ends with the webbing retaining slides. Ensure final fit is both secure and comfortable. If in any doubt please contact us info@scissorsafe.co.uk

SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT

SAFETY HARNESS



Ref D The ideal position of the Rear Dee Connector is between the shoulder blades as shown.



STEP 5

Rear (Dorsal) Anchor Point

Suitable for Fall Arrest or Work Restraint components ie Self-Retracting Fall Arrestors, Fall Arrest Lanyards, Work Restraint Lanyards or Adjustable Work Positioning Lanyards.



HARNESS TAIL

The user may prefer to connect a Short Lanyard or Harness Tail (Product code SCS024) which extends the rear attachment point allowing self connection of components.



Rescue Harnesses

A Rescue Harness is generally a standard production harness with an additional strap and either a loop or ring for Lanyard attachment . They are usually worn by anyone undertaking work in confined spaces. This additional rear strap is intended for rescue purposes only (EN1497) however, only under special conditions it may also be used for EN361 fall arrest.

If you are in doubt about the correct use of the components or instructions described in these User Instructions, please contact us by phone or email.

We provide a series of training courses that are content specific to the equipment we manufacture and distribute, rescue and Inspection if Fall Safety equipment.

PRE-USE INSPECTION

A User Record Card is supplied with each component which should be stored in a dry place, accessible to the user.

Pre-Use Inspections should be made each time the component is to be used to ensure that it's condition meets the required standard.

An example of the User Inspection Card is shown

Periodic Detailed Inspections should be carried out by a qualified inspector at intervals determined by the level of use of the component and the materials it is manufactured from.

A Periodic Detailed Inspection must be made at least every twelve months regardless of usage.

USER RECORD CARD SCISSORSAFE ANCHORAGE TOOL												SCISSORSAFE FALL PROTECTION SYSTEMS		
PRODUCT CODE SCS003		COMPONENT SCISSORSAFE ANCHORAGE TOOL				SERIAL NUMBER				THIS PRODUCT IS VALID FOR 10 YEARS FROM DATE OF MANUFACTURE BUT HAS A SERVICE LIFE OF 5 YEARS FROM DATE OF FIRST USE				
CUSTOMER		DATE OF MANUFACTURE (DD/MM/YYYY)		DATE OF PURCHASE (DD/MM/YYYY)		DATE OF FIRST USE (DD/MM/YYYY) COMPLETED BY OWNER								
ITEMS TO BE INSPECTED		DATE OF INSPECTION												
		PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4	PERIOD 5	PERIOD 6	PERIOD 7	PERIOD 8	PERIOD 9	PERIOD 10	PERIOD 11	PERIOD 12	NOTES
Are both steel profiles in good condition?														
Are the steel profiles bent or deformed?														
Is there any evidence of corrosion on the profiles?														
Is there any evidence of cutting on the profiles?														
Is the Pivot Pin & Nut well intact?														
Is the Pivot Pin straight?														
Are the Pivot Pin & Nut in good condition?														
Is the internal stopper pin preventing free movement (full rotation) of the blades?														
Is the Serial Number legible?														
INSPECTED BY														
NEXT INSPECTION DUE:														
COMMENTS														

IMPORTANT
IF YOU ARE IN ANY DOUBT ABOUT THE CONDITION, CERTIFICATION DATES OR SAFE USE OF THE ADJUSTABLE WORK POSITIONER PLEASE CONTACT SCISSORSAFE LTD.

This inspection record has been produced by Scissorsafe Ltd. Please contact us directly if you have need information or advice relating to this component.

SCISSORSAFE LTD
UNIT 12 FLEXSPACE, DIRECT 2 INDUSTRIAL ESTATE, ROWAY LANE, OLDBURY B69 3EG

TEL: 0044 (0)7840 111 212
EMAIL: INFO@SCISSORSAFE.CO.UK
WEB: WWW.SCISSORSAFE.CO.UK

WHAT TO LOOK FOR WHEN INSPECTING A SCISSORSAFE ANCHORAGE TOOL?

EXAMINE THE ANCHOR CAREFULLY, PICK IT UP AND VISUALLY INSPECT IT FOR ANY DAMAGE OR MISALIGNMENT

SCISSORSAFE ANCHORAGE TOOL CHECKLIST

- Are the Blades in good condition?
- Are the Blades bent or Deformed?
- Are the Pivot Pin & Nut in good condition?
- Is the Pivot Pin straight?
- Is the weld between Pivot Pin and Nut?
- Are the blades moving freely?
- Is there evident corrosion?

SCS003 SCISSORSAFE ANCHORAGE TOOL

INSPECTION & RECORD CARD SCISSORSAFE ANCHORAGE TOOL

WHAT TO LOOK FOR WHEN INSPECTING A SCISSORSAFE ANCHORAGE TOOL?



LEGAL REQUIREMENTS AND STANDARDS

The Personal Protective Equipment at Work Regulations 1992 (as amended) require employers to maintain fall arrest equipment in good repair, including appropriate replacement. In addition, the British Standard BS EN 12601 requires that equipment which is exposed to conditions causing wear or which is liable to result in catastrophic failure should be inspected at suitable intervals and each time exceptional circumstances which might jeopardise safety have occurred.

BS EN 12601:2004 Personal protective equipment against falls from a height. General requirements for instructions for use, maintenance, periodic examinations, repair, marking and packaging gives general requirements for periodic inspection. In this introduction, the British Standard states that components should be examined 'at least twelve monthly'. This is sometimes taken to be literally, although manufacturers of textile products usually recommend inspection more frequently than this.

IMPORTANT
IF YOU ARE IN ANY DOUBT ABOUT THE CONDITION, CERTIFICATION DATES OR SAFE USE OF THE HARNESS PLEASE CONTACT SCISSORSAFE LTD.

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SCISSORSAFE LIFELINE SYSTEM FOR WORK RESTRAINT

SCISSORSAFE ANCHORAGE DEVICE. DO's & DON'T's



Only connect to the Scissorsafe Anchorage Tool using a 25mm Oval Karabiner. This has a locking effect on the Anchorage action.
Do not try to force a larger diameter connector into the Anchor.
A smaller diameter connector may allow the Anchor to exit the void.



These connection methods should never be used

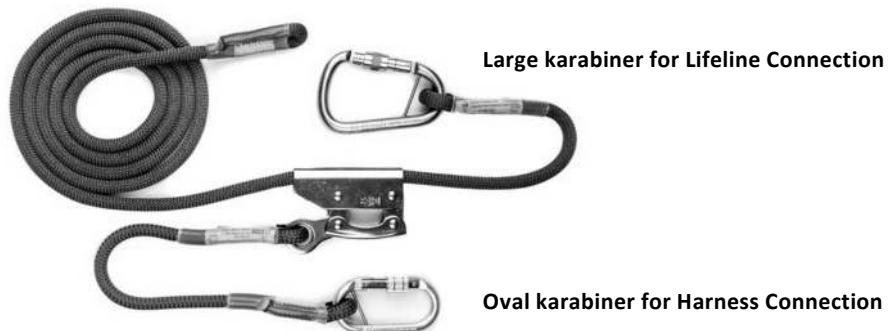


These connection methods are to be used only in a Rescue



Scissorsafe Anchorage Tools are CE certified products accredited by
SATRA Technology Europe Ltd. (NB2777)
Racetown Business Park
Clonee
County Meath
Republic of Ireland D15 YN2P

ADJUSTABLE WORK POSITIONING LANYARD TO SAFETY HARNESS CONNECTION



SAFETY HARNESS DIRECT TO ADJUSTABLE WORK POSITIONING LANYARD Fitting Instructions



Connect the Adjustable Work Positioning Lanyard to the rear or front Harness attachment point using the Oval Karabiner that is attached to the short lanyard leg.

SAFETY HARNESS EXTENSION TAIL TO ADJUSTABLE WORK POSITIONING LANYARD Fitting Instructions



The addition of a Harness Tail allows the wearer to self-connect and disconnect by moving the connection point between Adjustable Work Positioner to a more accessible point.

Connect the harness Tail to the rear or front harness attachment point using the Triangular Maillon Connector which should be tightened via the threaded connector.



Connect the Adjustable Work Positioning Lanyard to the sewn loop using the Oval karabiner on the short lanyard leg.

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